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Stanki i Instrument, No 12, pp 21, 22

50X1-HUM

The fractional-micromasuring instrument (dolemikronnyy izmeritel') is designed on the principle of mechanical magnification. The simple system makes it possible to obtain a magnification of 10,000 without any appreciable errors due to a loss in linked mechanisms. The range of measurement on the scale of the instrument is ± 2 microns with a total scale length of 40 millimeters. Therefore, the graduation can easily be set at 0.1 micron in a division interval of 1 millimeter. The scale of the instrument is not uniform. The measuring pressure of the instrument is 40-50 grams.

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